

Software Release Note

Introduction: This document describes detailed release information containing firmware version, improvements, known issues and default configuration, etc.

1. Product Information

Model Name: AAM6020VI-DL1

Customer Name: [D-Link](#)

Customer Model Name : RU_DSL-2640U

2. Version Information

Firmware Version: RU_DSL-2640U_3-06-04-2400.A2pB021c.d19b.dlinkdleDSL-2640U

DSL Version: A2pB021c

Driver Version: N/A

3. File Release Information

File Name:

With boot loader :

[RU_DSL-2640U_306042400_cfe_fs_kernel](#)

4. Updates

New Features:

| Feature ID | Feature Description |
|------------|--|
| | Bootloder upgrade will also check if model name correct or not |
| | Add DHCP Reservation |
| | Add D-Link DDNS |

Enhancements:

| Feature ID | Description |
|------------|---|
| | Change MTU size applies on PPP Level that ICMP big size packets will also fragment, user must cut PPPoE header size 8 bytes by self, so max PPPoE MTU size will change form 1500 to 1492. |

Resolved Bugs:

| Issued By | | Reviewed By | | Approved By | | Rev |
|-----------|----------|-------------|----------|-------------|----------|-----|
| Rick Yang | 07/08/30 | David_Jans | 07/09/03 | David_Jans | 07/09/03 | 1.5 |

| Bug ID | Description |
|--------|--|
| | PPPoE/PPPoA IP extension protocol can't use in Windows Vista |

5. Limitations

| Issue ID | Description |
|----------|-------------------------------------|
| | IP conntrack max table size is 1024 |
| | ATM Queue is 200 |

6. Default Configurations

| Item | | Default configurations |
|---------------------------|---|------------------------------|
| System Information | Login/Password | admin/admin |
| | Logo | D-Link DSL-2640U |
| | Language (English, Simple Chinese) | English |
| LAN Setting | LAN IP address/netmask | 192.168.1.1/255.255.255.0 |
| | DHCP Server (on/off) | ON |
| | DHCP pool | 192.168.1.2 ~ 192.168.1.254 |
| | UPnP | N/A |
| | LAN1-> LAN4 (order on front panel) | From left to right |
| ADSL Setting | Default mode (Multi, ANSI, G.dmt, G.lite, ADSL2, ADSL2+, AnnexL, AnnexM) | Multi, without AnnexM |
| | SRA | Disable |
| WAN Setting | PVC setting | N/A |
| | Protocol | N/A |
| | Encapsulation | N/A |
| | PPPoA MTU | 1492 (When create new PPPoA) |
| Router Function | NAT (on/off) | N/A |
| | Firewall | N/A |
| Wireless Setting | SSID | Wireless |
| | Country | RUSSIAN FEDERATION |
| | Channel | 6 |
| Management | FTP (LAN, WAN) | On, N/A |
| | HTTP (LAN, WAN) | On, N/A |

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|-------------------------|--------------------------|-----------------------------|
| | ICMP (LAN, WAN) | On, N/A |
| | SNMP (LAN, WAN) | On, N/A |
| | Telnet (LAN, WAN) | On, N/A |
| | TFTP (LAN, WAN) | On, N/A |
| | SSH (LAN, WAN) | On, N/A |
| AUTOPVC Database | Index 00 | 8/35 |
| | Index 01 | 0/35 |
| | Index 02 | 0/38 |
| | Index 03 | 0/100 |
| | Index 04 | 0/102 |
| | Index 05 | 0/103 |
| | Index 06 | 8/64 |
| | Index 07 | 0/33 |
| | Index 08 | 1/33 |
| | Index 09 | 1/50 |
| | Index 10 | 1/91 |
| | Index 11 | 1/92 |
| NTP | Status | Disable |
| | Combo Box List Item 1 | ntp1.dlink.com |
| | Combo Box List Item 2 | ntp.dlink.com.tw |
| | Time Zone | N/A |
| Others | Wireless PA value | 0x1535 0xfa95 0xfe9f |

7. Dependencies

Software Issues: N/A

Hardware Issues:

- **Compatible chipset:** BCM6348KPB, Fit 4MB flash, 16MB SDRAM
- **Compatible PCB version:** N/A

8. Note

1. When Power on device, press "Enter" key to enter Boot loader prompt.
2. **Whole image (*.w) is used for Production & RMA, not for firmware update. Because MAC Address will be replace to default after upgrade (*.w)**
3. **Using console command to check wireless PA value should be : 0x1535 0xfa95 0xfe9f**

```
# wlctl srdump
```

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```

srom[000]: 0x2001 0x0000 0x0449 0x14e4 0x4318 0x8000 0x0002 0x0000

srom[008]: 0x1000 0x1800 0x0000 0x0000 0xffff 0xffff 0xffff 0xffff

srom[016]: 0xffff 0xffff 0xffff 0xffff 0xffff 0xffff 0xffff 0xffff

srom[024]: 0xffff 0xffff 0xffff 0xffff 0x0000 0xffff 0xffff 0xffff

srom[032]: 0xffff 0xffff 0xffff 0xffff 0x0000 0x0000 0x0000 0xffff

srom[040]: 0xffff 0xffff 0xffff 0xffff 0xffff 0xffff 0x1041 0x1535

srom[048]: 0xfa95 0xfe9f 0xffff 0xffff 0x0048 0xffff 0xffff 0xffff

srom[056]: 0x003e 0xea49 0xff02 0x0000 0xff08 0xffff 0xffff 0x0002

```

9. Appendix A: SW Release History

| SW Version | Release Date | Release Summary |
|---|--------------|---|
| RU_DSL-2640U_3-06-04-2400.A2pB021c.d19 b.dlinkdleDSL-2640U | 07/08/30 | Bootloder upgrade will also check if model name correct or not |
| | | Add DHCP Reservation |
| | | Add D-Link DDNS |
| | | Change MTU size applies on PPP Level that ICMP big size packets will also fragment, user must cut PPPoE header size 8 bytes by self, so max PPPoE MTU size will change form 1500 to 1492. |
| RU_DSL-2640U_3-06-04-2100.A2pB021c.d19 b.dlinkdleDSL-2640U | 07/07/23 | Add PPPoA MTU setup function |
| RU_DSL-2640U_3-06-04-1Z00.A2pB021c.d19 b.dlinkdleDSL-2640U | 07/07/05 | Make Web GUI Routing table display the same with Linux system |
| | | When change Default GW from auto mode to static mode, system will have two default GW |
| RU_DSL-2640U_3-06-04-1Y00.A2pB021c.d19 b.dlinkdleDSL-2640U | 07/07/02 | U-series "Default Gateway" issue (report from D-Link) |
| | | The advance ADSL setting become default value after DUT reboot |
| | | User can't login DUT if login password is set to Chinese characters |

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|---|----------|---|--------------------|------------|
| | | <p>Modem can't be accessed if LAN IP is set to 127.0.0.1</p> <p>All configurations are reset to default because SNMP is set to Chinese characters</p> <p>Please remove "non-ISO-8859-1" from alert message</p> | | |
| RU_DSL-2640U_3-06-04-1V00.A2pB021c.d19 b.dlinkdleDSL-2640U | 07/05/24 | <p>IP QoS, IP Filter(In, Out) page, add "Range IP"(Start IP ~ End IP) option</p> <p>Update DHCP to version 0.9.7</p> | | |
| RU_DSL-2640U_3-06-04-1T00.A2pB021c.d19 b.dlinkdleDSL-2640U | 07/04/27 | <p>Remove zero symbols in DCC static IP page</p> <p>Remote Web Access can use "admin" account</p> <p>Add Protocol, IP address, Port select items in "Advanced → IP Filter", "Advanced → QoS " page, for "Advanced → Bridge Filters" page add "Any" Protocol</p> <p>In QoS page when add rule SET-1 "Physical LAN Port" and SET-2 "Enable 802.1q" in the same time, after CPE reboot all setting will be default</p> <p>Remove Wireless Bridge function</p> <p>Internet LED should be off when user click "PPP Down" button manually</p> | | |
| RU_DSL-2640U_3-06-04-1Q00.A2pB021c.d19 b.dlinkdleDSL-2640U | 07/04/10 | <p>Add PPPoE MTU size configuration function</p> <p>Add display AnnexM string on web, when device link to AnnexM mode</p> <p>Fix when create MER connection, "Advanced → Routing → Default Gateway" GUI page should not display MER interface name in "Use Interface" combo box</p> <p>Change default Wireless Country setting to "RUSSIAN FEDERATION"</p> <p>Change default Wireless Channel to "6"</p> | | |
| RU_DSL-2640U_3-06-04-1J00.A2pB021c.d19 b.dlinkdleDSL-2640U | 07/01/23 | <p>Some Status page change refresh time</p> <p>Change "Time" function NTP Server list to ntp1.dlink.com; ntp.dlink.com.tw</p> <p>Fix in Access Control Page have additional char "."</p> <p>Fix ping response time not stable</p> <p>ADSL BER Test never stops when ADSL line is down</p> <p>Web page Autoscan checkbox should always enabled</p> <p>Fix Internet LED should be GREEN when there is any one Routed protocol exist</p> <p>When change SNMP page "Disable" to "Enable" web page will hang up</p> | | |
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|---|----------|---|
| | | DDNS page "Add" button not display when no any WAN protocol |
| RU_DSL-2640U_3-06-04-1C00.A2pB021c.d19b | 06/10/03 | Fix in Access Control Page have additional char "." |
| | | Change, reboot and firmware upgrade page style and display alert message after finish |
| | | Some Status page change refresh time |
| | | Fix DCC can't use when Windows XP enable firewall (Before SP2 version) |
| RU_DSL-2640U_3-06-04-1900.A2pB021c.d19b | 06/09/15 | In TR-069 Client page, ACS URL can't accept ":" character. EX:http://123.acs.com |
| RU_DSL-2640U_3-06-04-1800.A2pB021c.d19b | 06/08/29 | Broadcom release patch to fix memory leak issue |
| RU_DSL-2640U_3-06-04-1600.A2pB021c.d19b | 06/08/25 | Add progress bar in Web "reboot", "factory default", "upgrade firmware" page |
| | | Change S/W string display to include D-Link OBU string |
| | | Change Access control default setting |
| | | Add DCC model name check for future use |

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